

**ABSTRACT OF THE DISCLOSURE**

In a voice interactive system, a detecting module detects presence of a predetermined keyword in an input voice signal. When the presence of the predetermined keyword is detected, the detecting module switches operation of a semantic recognition module from a disabled mode to an enabled mode, where the semantic recognition module performs semantic recognition upon the input voice signal. A response module generates a response according to result of the semantic recognition. A timer module operates simultaneously with operation of the semantic recognition module in the enabled mode so as to calculate and determine whether an idle time between a current input voice signal and a previous input voice signal is larger than a predetermined threshold. In the affirmative, a mode switching module enables the detecting module to switch operation of the semantic recognition module back to the disabled mode.